

SEQUENCE LISTING

#4

<110> NAKAMURA, Yusuke et al.
 <120> A METHOD FOR SNP (SINGLE NUCLEOTIDE POLYMORPHISM) TYPING
 <130> 1254-0195p
 <140> US 10/060,301
 <141> 2002-02-01
 <150> JP 2001-25700
 <151> 2001-02-01



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<210> 102

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<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 57

<400> 114
tgcttccac tgttctcagc 20

<210> 115
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 58

<400> 115
aaacctcact gtctgcttcc tg 22

<210> 116
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 58

<400> 116
cagtgagat cggcacactc 20

<210> 117
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 59

<400> 117
ccacctgtaa gaacagaagt ggc 23

<210> 118
<211> 20
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 59

<400> 118

acccaagttt gggactctgc

20

<210> 119

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 60

<400> 119

tttggccttg tttgcctctg

20

<210> 120

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 60

<400> 120

aagggcacag tttgagaacg

20

<210> 121

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 61

<400> 121

gagtgtgggc cataaacttg gc

22

<210> 122

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 61

<400> 122

accacgtctc tagccagtcg

20

<210> 123
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 62

 <400> 123
 gctgtgtgac gttaggccag 20

 <210> 124
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 62

 <400> 124
 agatactggg ttccatccgc 20

 <210> 125
 <211> 20
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 63

 <400> 125
 gttctcggag gtggctcttg 20

 <210> 126
 <211> 22
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 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 63

 <400> 126
 ccacatcact ctctcctgca tc 22

 <210> 127
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 64

<400> 127
 gcttattcct gcaaggcgtc 20

 <210> 128
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 64

 <400> 128
 aatggaagcc aaaggcacag 20

 <210> 129
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 65

 <400> 129
 gcttattcct gcaaggcgtc 20

 <210> 130
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 65

 <400> 130
 aatggaagcc aaaggcacag 20

 <210> 131
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 66

 <400> 131
 gcttattcct gcaaggcgtc 20

 <210> 132
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 66

<400> 132
aatggaagcc aaaggcacag 20

<210> 133
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 67

<400> 133
aaccctgagc ctgtcacctg 20

<210> 134
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 67

<400> 134
tgagccctga atgcgagtag 20

<210> 135
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 68

<400> 135
tgtgaccttc ctggctcttc 20

<210> 136
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 68

<400> 136
agcctcactg acatgccttg 20

<210> 137
<211> 21
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 69

<400> 137

caactgtgag tgaccgtgga g

21

<210> 138

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 69

<400> 138

agtgaggat tggaatctga ggc

23

<210> 139

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 70

<400> 139

caatattagc tccaccgagg c

21

<210> 140

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 70

<400> 140

cctcgccaac taaatgcaga c

21

<210> 141

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 71

<400> 141

cataagccga gtggtacaga gc

22

<210> 142
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 71

 <400> 142
 tccaaaggcc atagtttacc aag 23

 <210> 143
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 72

 <400> 143
 tggcttgagg ttctggcttc 20

 <210> 144
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 72

 <400> 144
 tgtgacgggt aaggcagatg 20

 <210> 145
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 73

 <400> 145
 cctatgctca gccaagggtca g 21

 <210> 146
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 73

<400> 146
 agaaccacct gggctgctac 20

 <210> 147
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 74

 <400> 147
 cctatgctca gccaaaggta g 21

 <210> 148
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 74

 <400> 148
 agaaccacct gggctgctac 20

 <210> 149
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 75

 <400> 149
 ctgtgatggg ctgcagaatg 20

 <210> 150
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 75

 <400> 150
 ggagagcctc cagttcaagc 20

 <210> 151
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence:
 Forward Primer for SNP ID 76

<400> 151
 caccacagtgc agccttatag c 21

<210> 152
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 76

<400> 152
 acctccctct ctgccttctg 20

<210> 153
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 77

<400> 153
 accacggagt ctggcatcac 20

<210> 154
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 77

<400> 154
 cggtcagaac aaagagagtg gaac 24

<210> 155
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 78

<400> 155
 tttgtccttg ggcttggtag 20

<210> 156
 <211> 22
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 78

<400> 156

cagggagagg tatacgatgg tg

22

<210> 157

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 79

<400> 157

cccatcccgt taaagcactt ag

22

<210> 158

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 79

<400> 158

aggatgggct tcccactcag

20

<210> 159

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 80

<400> 159

cccatcccgt taaagcactt ag

22

<210> 160

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 80

<400> 160

aggatgggct tcccactcag

20

<210> 161
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 81

 <400> 161
 gtgtgctttg tttggtttgc atag 24

 <210> 162
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 81

 <400> 162
 ctgggaatgt gccagcaag 19

 <210> 163
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 82

 <400> 163
 gtgtgctttg tttggtttgc atag 24

 <210> 164
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 82

 <400> 164
 ctgggaatgt gccagcaag 19

 <210> 165
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 83

<400> 165
 gtgtgctttg tttggtttgc atag 24

 <210> 166
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 83

 <400> 166
 ctgggaatgt gccagcaag 19

 <210> 167
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 84

 <400> 167
 ccgtgggaac atcctctgtg 20

 <210> 168
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 84

 <400> 168
 gggtttgcag aatcagcctc 20

 <210> 169
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 85

 <400> 169
 ggcacacttg agcacttgat g 21

 <210> 170
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 85

<400> 170
ggaggacaca cagaggaatg c 21

<210> 171
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 86

<400> 171
caaacaggtc acatttgctg aag 23

<210> 172
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 86

<400> 172
tggtccacac agactaataa gc 22

<210> 173
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 87

<400> 173
caaacaggtc acatttgctg aag 23

<210> 174
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 87

<400> 174
tggtccacac agactaataa gc 22

<210> 175
<211> 20
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 88

<400> 175

ggaggcctga cagccatatc

20

<210> 176

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 88

<400> 176

gccatatgtg gaacaagcag c

21

<210> 177

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 89

<400> 177

ttcttttctgc catcaagttg c

21

<210> 178

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 89

<400> 178

gctttgccag gaggcctagt

20

<210> 179

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Forward Primer for SNP ID 90

<400> 179

tgtgatcttc caattcctcc tg

22

<210> 180
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 90

 <400> 180
 tatggcaggg aaggaagcac 20

 <210> 181
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 91

 <400> 181
 tggatgaagct gctggatgac 20

 <210> 182
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 91

 <400> 182
 gacacccacc aaagcatgta taac 24

 <210> 183
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 92

 <400> 183
 tgcaccagac agggtagctg 20

 <210> 184
 <211> 346
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 92

<400> 184
ccatccagcc aagtccttgt agtgcaccag acagggtagc tgccatccag ccaagtcctt 60
gtagccagac ggcttagagc actgcgagag catccaccag agtgggacgg atgaagatga 120
acgcatccca gcagccctct tagcttgct tgaacttgct ctgccacacc tgcctttat 180
tggtctctcc agcaggtaca ggcacgcctt catctctgca agctccctca tgtcctggtg 240
cattgagctg cgaagagagc cagaggatca caggctgtag gcagatgcc tccagactgg 300
gtcagtgctc catgtgggaa tcggtgtcaa ggcacatcac atggtc 346

<210> 185
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 93

<400> 185
tgcaccagac agggtagctg 20

<210> 186
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 93

<400> 186
ccatccagcc aagtccttgt ag 22

<210> 187
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 94

<400> 187
ccagacggct tagagcactg 20

<210> 188
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 94

<400> 188
cgagagcatc caccagagtg 20

<210> 189

<211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 95

 <400> 189
 ggacggatga agatgaacgc 20

 <210> 190
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 95

 <400> 190
 atcccagcag ccctcttagc 20

 <210> 191
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 96

 <400> 191
 ttgccttgaa cttgctctgc 20

 <210> 192
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Reverse Primer for SNP ID 96

 <400> 192
 cacacctgcc ctttattggt c 21

 <210> 193
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 Forward Primer for SNP ID 97

 <400> 193

tctccagcag gtacaggcac	20
<210> 194	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Reverse Primer for SNP ID 97	
<400> 194	
gccttcatct ctgcaagctc	20
<210> 195	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Forward Primer for SNP ID 98	
<400> 195	
cctcatgtcc tggcgattg	20
<210> 196	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Reverse Primer for SNP ID 98	
<400> 196	
agctgcgaag agagccagag	20
<210> 197	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
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<223> Description of Artificial Sequence:	
Forward Primer for SNP ID 99	
<400> 197	
gatcacaggt cgtaggcaga tg	22
<210> 198	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	

Reverse Primer for SNP ID 99

<400> 198
ccatccagac tgggtcagtg 20

<210> 199
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Forward Primer for SNP ID 100

<400> 199
ctccatgtgg gaatcgggtg 19

<210> 200
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Reverse Primer for SNP ID 100

<400> 200
tcaaggcaca tcacatgggtc 20